In other tests, the master blend binder disclosed in Table IV was blended with up to about 50 wt.% pozzolanic aggregate filler (pumice or perlite), with and without foaming agent, to produce boards according to the invention. Such boards exhibited acceptable physical properties.

IN THE CLAIMS:

Please amend claims 1, 5, 6, 7, 9, 10, 17, 19, 20, 22, 23, 25, and 27 as follows:

1. (Twice amended) A cementitious composition comprising:

(a) about [30] 20 wt.% to about 75 wt.% calcium sulfate beta-hemihydrate;

(b) about 10 wt.% to about [40] 50 wt.% [Portland cement] of a cement selected from the group consisting of Portland cement, a blend of Portland cement and fly ash, a blend of Portland cement and ground blast slag; and mixtures thereof;

(c) about 4 wt.% to about 20 wt.% silica fume; and

(d) about 1 wt.% to about [40] 50 wt.% pozzolanic aggregate.

5. (Amended) The composition of claim 1 wherein the pozzolanic [filler] aggregate is about 10 wt% to about [40] 50 wt.% of the composition and comprises pumice.

6. (Amended) The composition of claim 1 wherein the pozzolanic [filler] aggregate is about 1 wt% to about 10 wt.% of the composition and comprises [Fillite] hollow silicate spheres.

7. (Twice amended) The composition of claim 1 [comprising at least one of] further ~~comprising~~ consisting essentially of at least one component selected from the group consisting of set control additives, water reducing agents and water repellent additives.

9. (Amended) The self-leveling floor composition of claim 8 wherein said composition (i) comprises about 72 wt.% calcium sulfate beta-hemihydrate, about 20 wt.% Portland cement, about 6 wt.% silica fume and about 2 wt.% pozzolanic [filler] aggregate.

10. (Amended) The self-leveling floor composition of claim 9 wherein said pozzolanic [filler is Fillite] aggregate comprises hollow silicate spheres.

17. (Twice amended) A water resistant construction material prepared by combining a cementitious composition with a slight stoichiometric excess of water, said cementitious composition comprising:

(a) about [30] 20 wt.% to about 75 wt.% calcium sulfate beta-hemihydrate;

(b) about 10 wt.% to about [40] 50 wt.% [Portland cement] of a cement selected from the group consisting of Portland cement, a blend of Portland cement and fly ash, a blend of Portland cement and ground blast slag; and mixtures thereof;

(c) about 4 wt.% to about 20 wt.% silica fume; and

(d) about 1 wt.% to about [40] 50 wt.% pozzolanic aggregate.

19. (Amended) The construction material of claim 17 wherein the Portland cement [of paragraph (b)] is Type III Portland cement.

20. (Amended) The construction material of claim 17 wherein the pozzolanic [filler of paragraph (d)] aggregate is about 10 wt.% to about [40] 50 wt.% of the composition and comprises pumice.

22. (Twice Amended) The construction material of claim 19 wherein the cementitious composition [includes at least one of] further consisting ~~comprises~~ at least one component selected from the group consisting of set control additives, water reducing agents and water repellent additives.

23. (Twice amended) A water resistant construction material having a thickness of about 1/8 inch, said material prepared by combining a cementitious composition with a slight stoichiometric excess of water, said cementitious composition comprising:

(a) about [30] 20 wt.% to about 75 wt.% calcium sulfate beta-hemihydrate;

(b) about 10 wt.% to about [40] 50 wt.% [Portland cement] of a cement selected from the group consisting of Portland cement, a blend of Portland cement and fly ash, a blend of Portland cement and ground blast slag; and mixtures thereof;

(c) about 4 wt.% to about 20 wt.% silica fume; and

(d) about 1 wt.% to about [40] 50 wt.% pozzolanic aggregate.